

### **Abstract of the disclosure**

[037] Methods and apparatus for intermixing small solid objects and a liquid employed in a platform useful for affinity purification of protein samples in a high throughput format. The system handles up to 96 samples at a time and provides thorough mixing of affinity media with a lysate solution containing the protein samples which accelerates interaction between the media and the sample. Sample processing times are shortened and in some cases non-specific contamination is reduced.